Encapsulated Solid Propellant Pulse Rockets...

FOR Extra Vehicular Activity



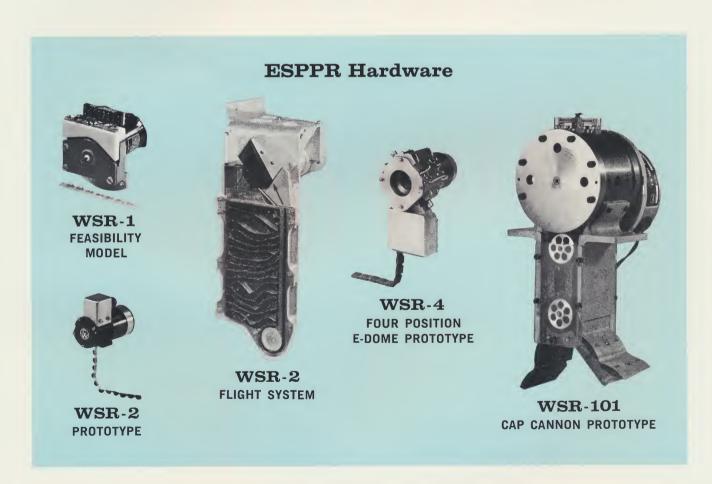
CURTISS-WRIGHT CORPORATION **WRIGHT AERONAUTICAL DIVISION** WOOD-RIDGE, NEW JERSEY U.S.A.

Encapsulated Solid Propella



The ESPPR concept has been proven during five years of development. Several unique features are particularly applicable to EVA devices.

- SAFE ON-BOARD STORAGE
- INHERENT RE-LOAD CAPABILITY
- ROCKET MOTOR REDUNDANCY
- COMPLETE ON-BOARD SYSTEM VERIFICATION
- PRECISE PROPELLANT AVAILABILITY READ-OUT

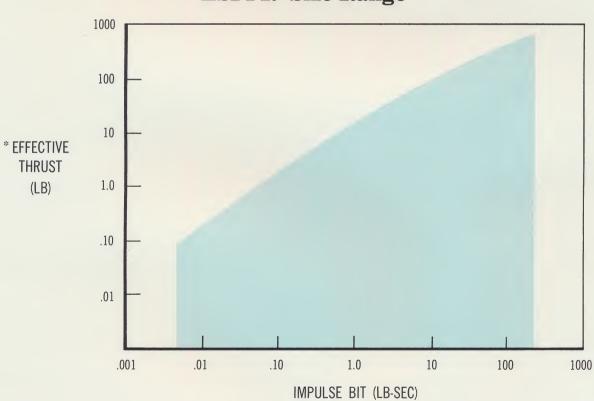


ant Pulse Rockets (ESPPR)

Test Experience

TOTAL FIRINGSREPETITIVE FIRINGS	13,500 2,500
VACUUM	·
TEMPERATURE	
VIBRATION	10 TO 2000 CPS. 3 TO 27g
RANDOM NOISE	20 TO 2000 CPS. 15 TO 22g
ACCELERATION	30g
IMPULSE BIT REPEATABILITY	σ = 1.85% FOR 100 FIRINGS
HIGH TEMPERATURE	NO FIRE AT 600°F
RADIATION	3.65×10^6 RADS
RANGE SAFETY	1 AMP. 5 MIN., NO FIRE
NON-JAMMING	10 CONSECUTIVE "BLOWS"
STORAGE SAFETY	FIRED CAPSULE IN LOADED MAGAZINE

ESPPR-Size Range



^{*} Effective Thrust = Impulse per cap \times number of caps fired per second.

DIRECT INQUIRIES TO: Marketing Department



CURTISS-WRIGHT CORPORATION

WRIGHT AERONAUTICAL DIVISION • WOOD-RIDGE, N.J. 07075

Phone (201) 777-2900

HOUSTON 1730 NASA BLVD., NASSAU BAY HOUSTON, TEXAS 77058 PHONE (713) 591-2610

■ WASHINGTON 821 FIFTEENTH STREET, N.W. WASHINGTON, D.C. 20005 PHONE (202) 628-5804

WEST COAST 8820 SEPULVEDA BOULEVARD LOS ANGELES, CALIFORNIA 90045 PHONE (213) 776-2503